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Status of AIG in the CAR Region: USOAP EI and overall implementation status

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ICAO NACC Regional Office

**Meeting for RAIO implementation in the CAR
Region (RAIO/CAR/01)**

Mexico City, Mexico,
12 to 14 November 2018



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Accident Investigation (AIG)



AIG is one of the major deficient areas as audit results show



It affects most member States and Territories in our Regions



Why?

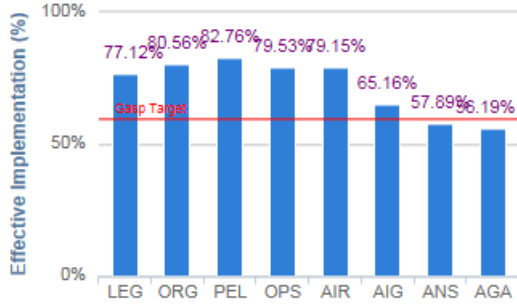
- Cost of having specialists and equipment to meet ICAO SARPs are not achievable by many States



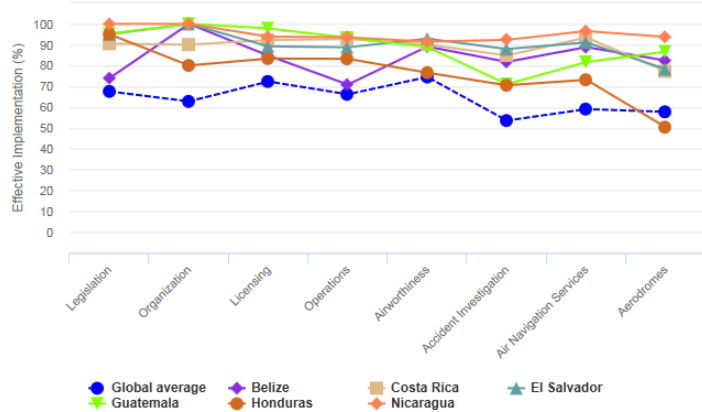
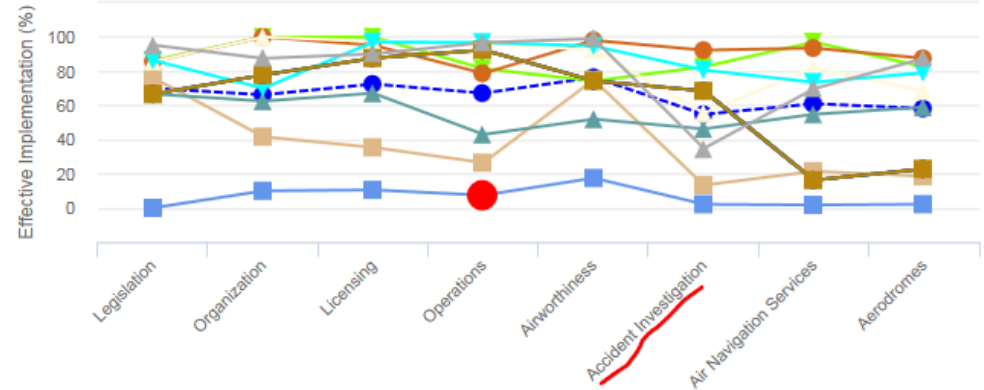
An accident investigation group cannot replace the States sovereign responsibility in AIG but it would complement and enhance their capability and ability to meet ICAO requirements



EI by Area



Effective Implementation: AIG



- Global average
- Bahamas
- ▲ Cuba
- ◆ Grenada
- ◆ Jamaica
- Saint Kitts and Nevis
- Saint Vincent and the Grenadines
- ◆ Antigua and Barbuda
- ▲ Barbados
- Dominican Republic
- ▲ Haiti
- ▲ Mexico
- ◆ Saint Lucia
- ▲ Trinidad and Tobago



What are we doing?

Regional Aviation Accident Investigation Group (GRIAA)

RAIO initiative in Central America that has assisted Central American States in accident investigation

It provides AIG training and guidance

Currently obtaining funding

Lead person being contacted by the NACC Regional Office for the implementation of this initiative

Foster Regional Collaboration: TSB Canada, etc.

Other ongoing actions

Caribbean Regional Accident Investigation Organization (RAIO-C)

RAIO initiative for the CAR Region

Initial Funds from the ICAO Safety (SAFE) Fund

Supported by CASSOS, COCESNA/ACSA and ICAO

Foster Regional Collaboration: TSB Canada, etc.

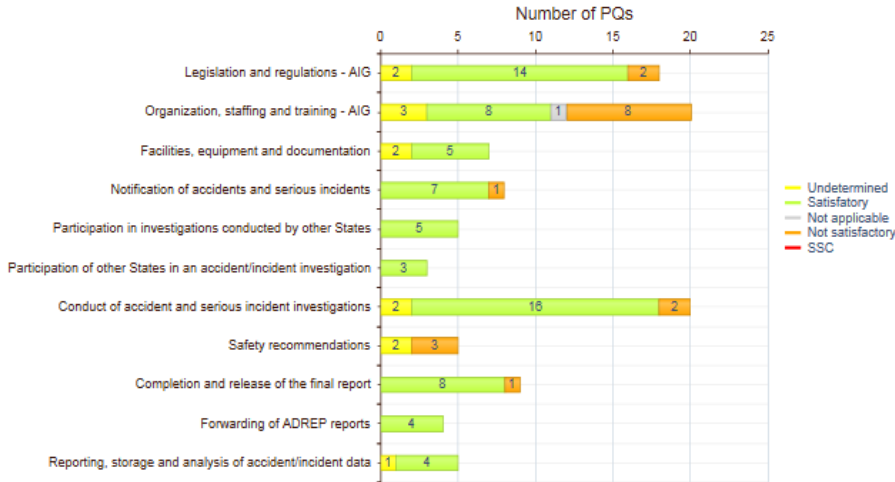
Project RLA/09/801 – Multi-Regional Civil Aviation Assistance Programme (MCAAP)



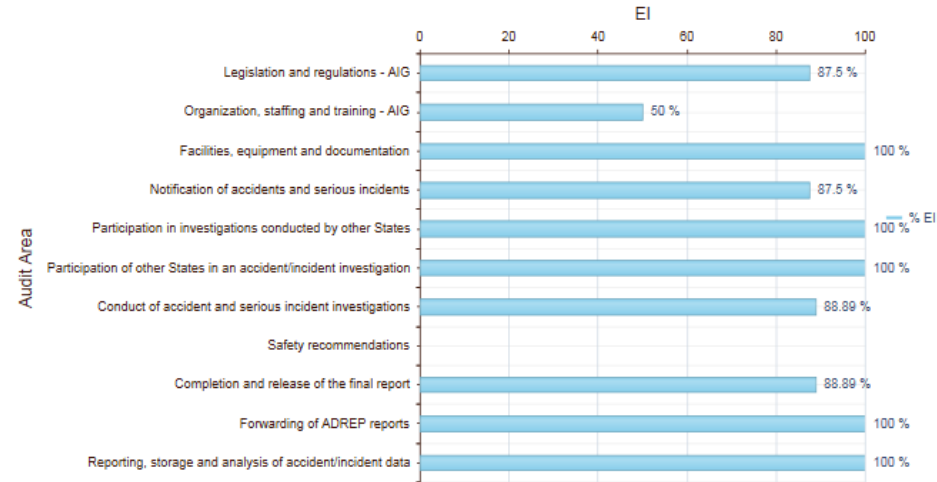
USOAP AIG Status: Belize

AIG is the third area less effectively implemented

Number of Protocol Questions (PQs) in AIG by Audit sub-group



Effective Implementation (EI) by Audit Area

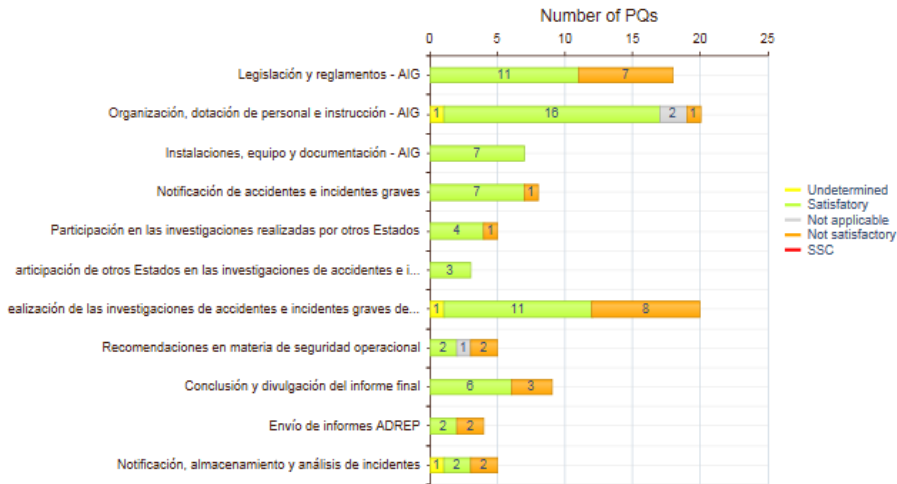




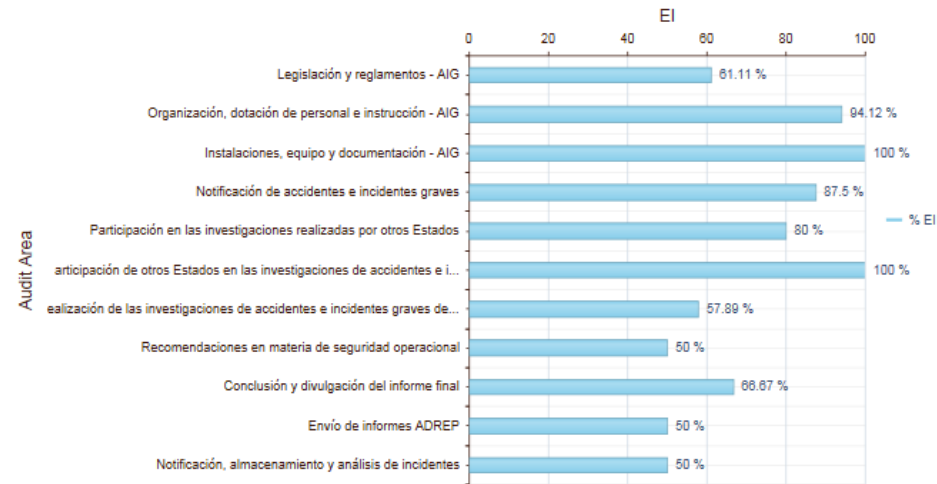
USOAP AIG Status : Guatemala

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Number of Protocol Questions (PQs) in AIG by Audit sub-group



Effective Implementation (EI) by Audit Area

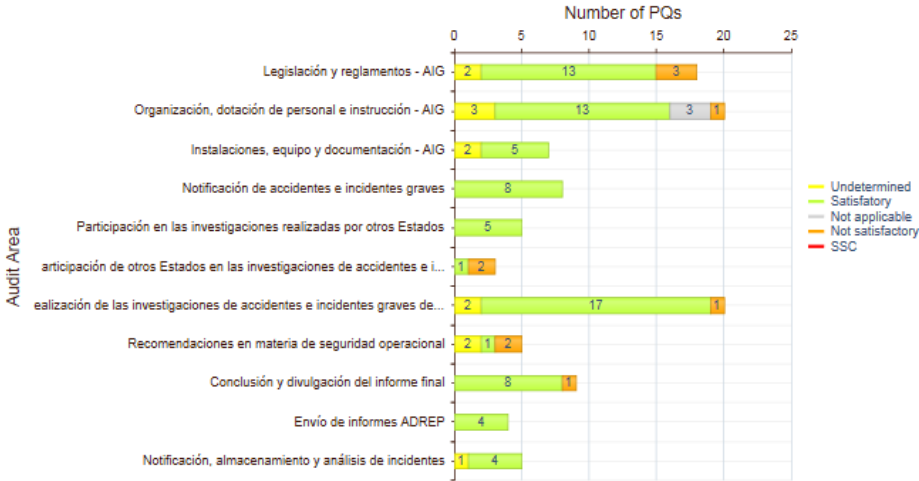




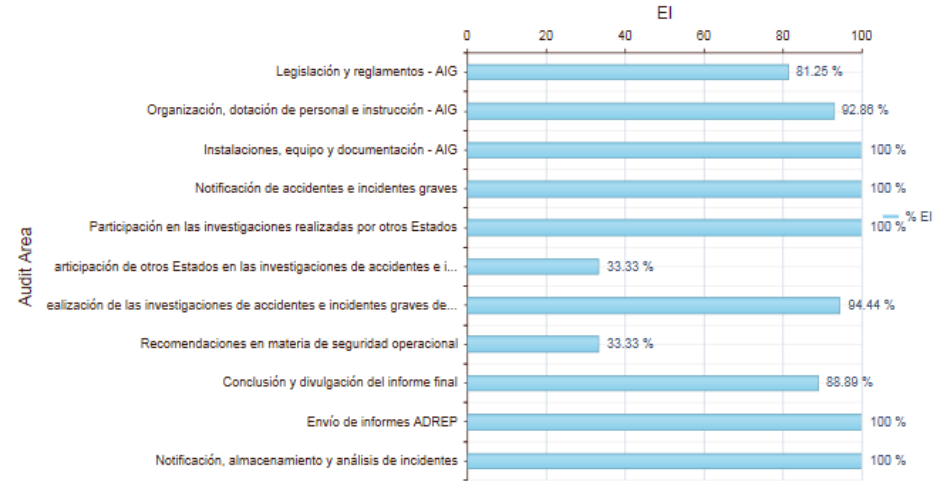
USOAP AIG Status : El Salvador

AIG is the second area less effective implemented

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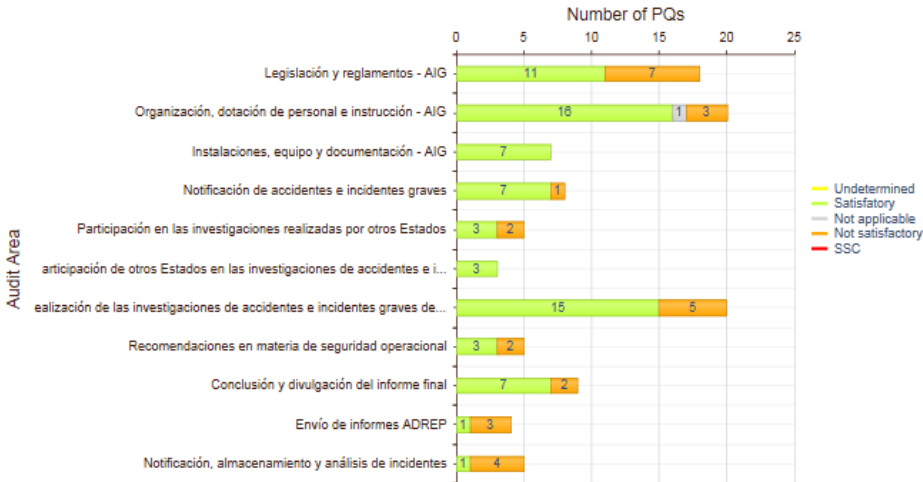




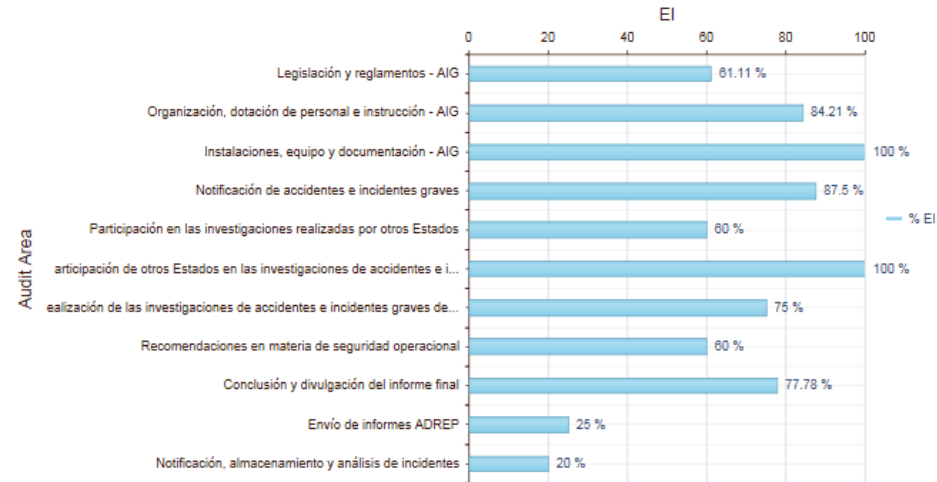
USOAP AIG Status : Honduras

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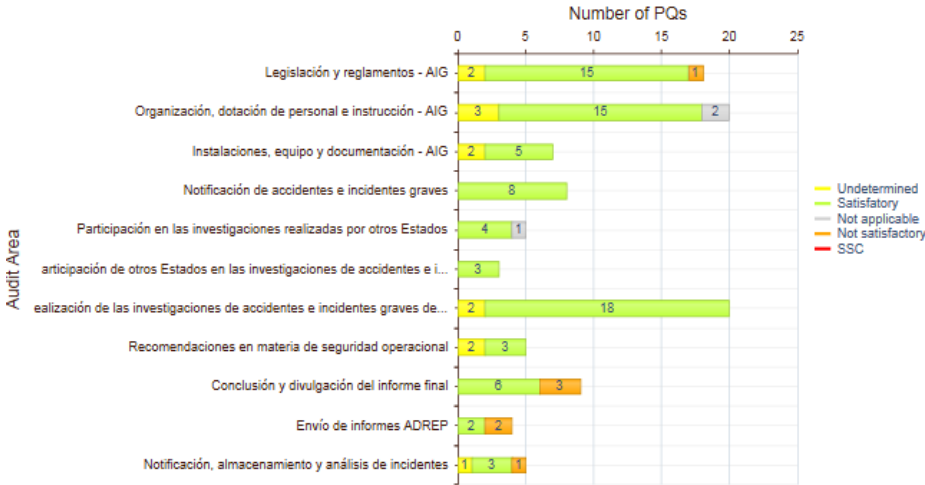




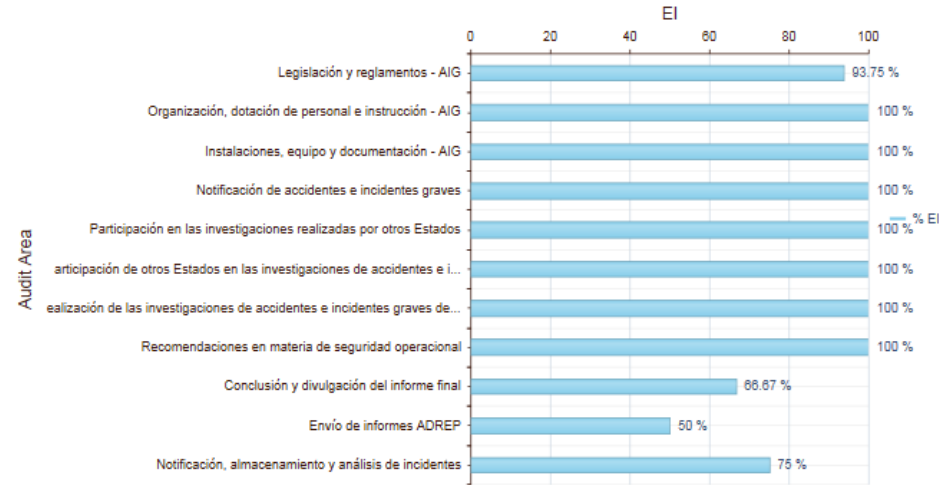
USOAP AIG Status : Nicaragua

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Effective Implementation (EI) by Audit Area

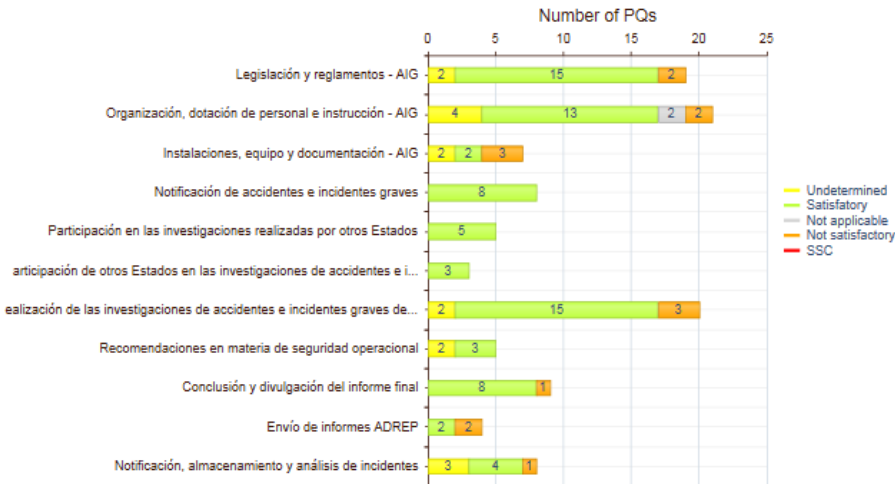




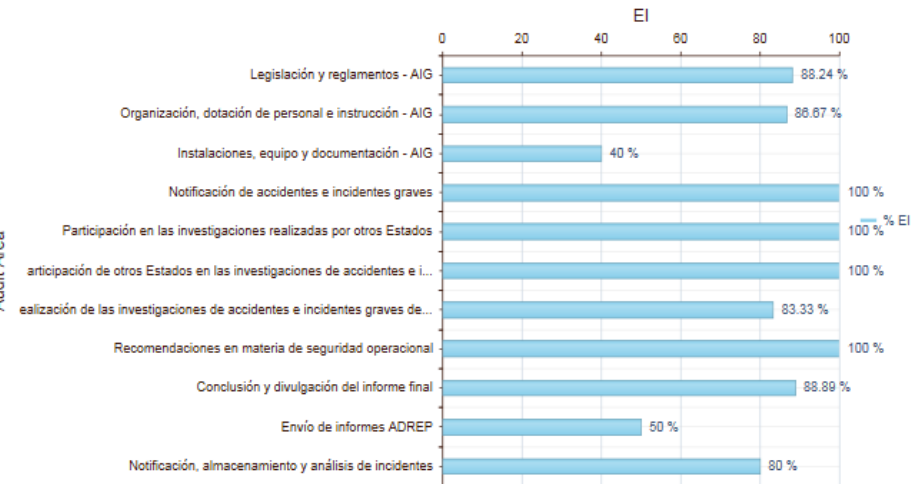
USOAP AIG Status : Costa Rica

AIG is the second area less effective implemented

Audit Area



Audit Area

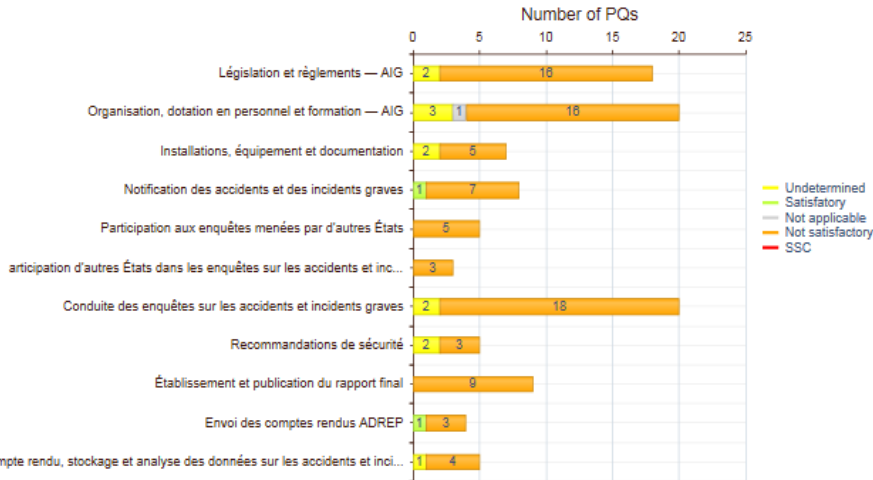




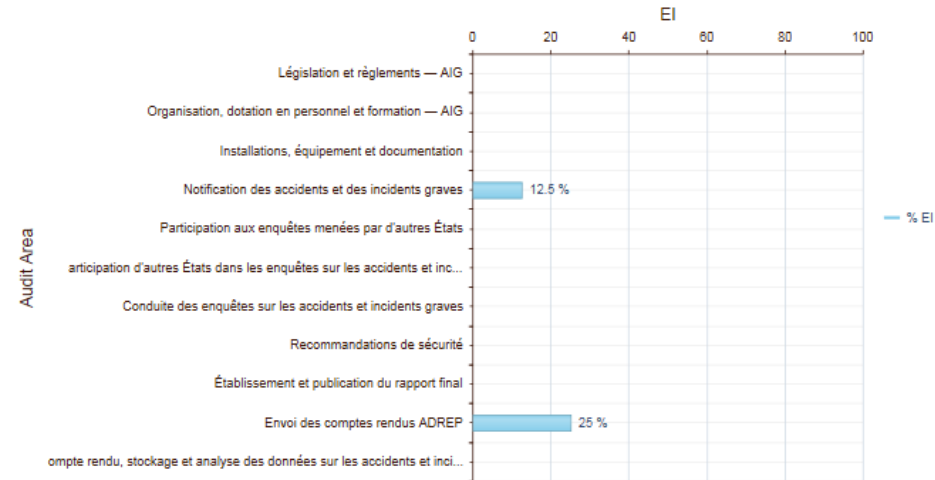
USOAP AIG Status : Haiti

AIG is one of the areas less effectively implemented

Number of Protocol Questions (PQs) in AIG by Audit sub-group



Effective Implementation (EI) by Audit Area

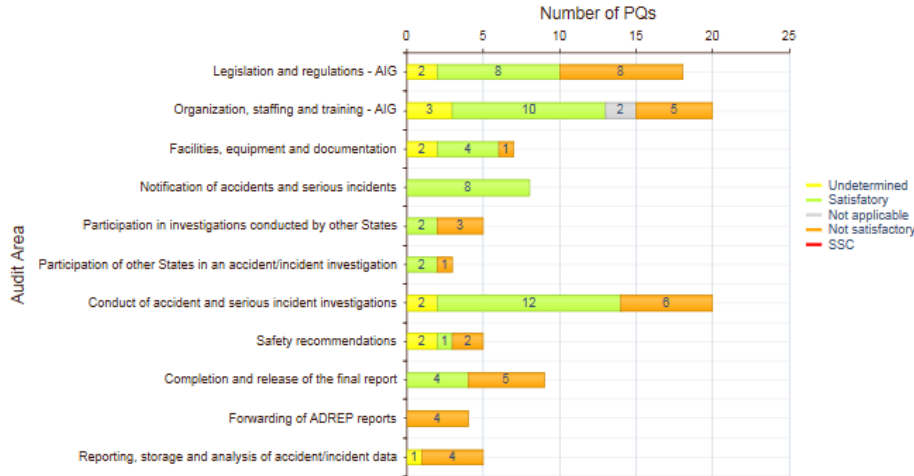




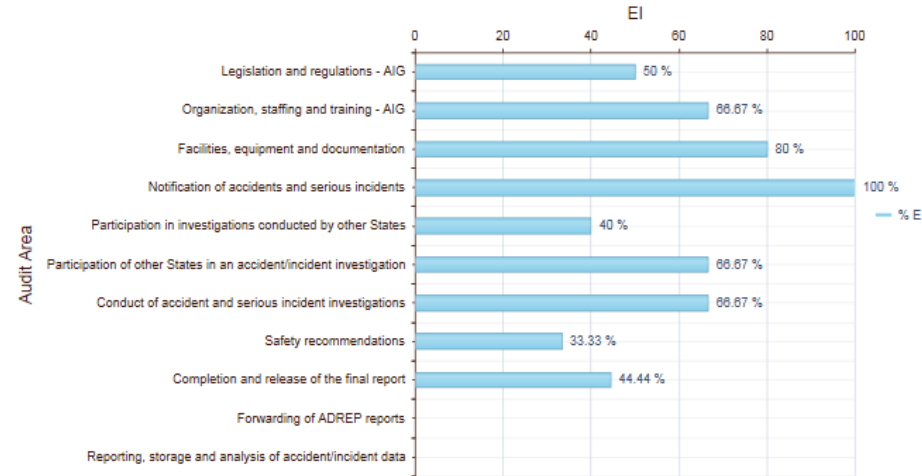
USOAP AIG Status : Jamaica

AIG is the area less effectively implemented

Number of Protocol Questions (PQs) in AIG by Audit sub-group



Effective Implementation (EI) by Audit Area

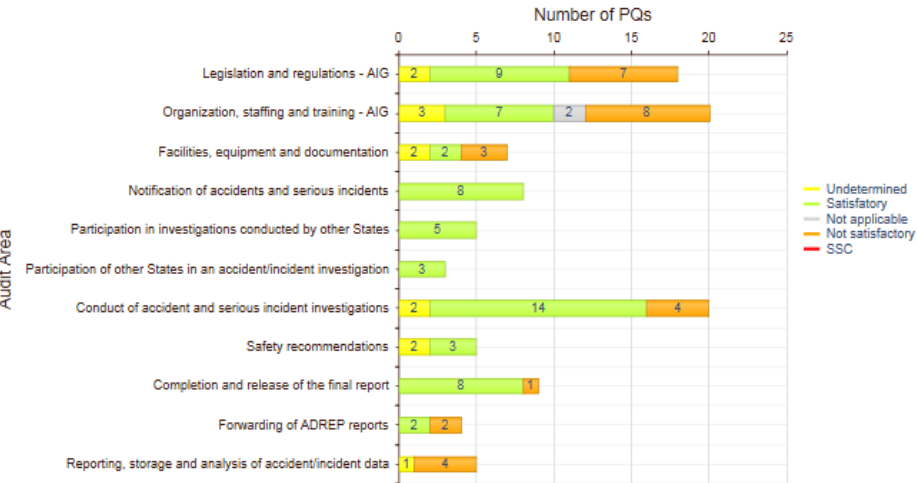




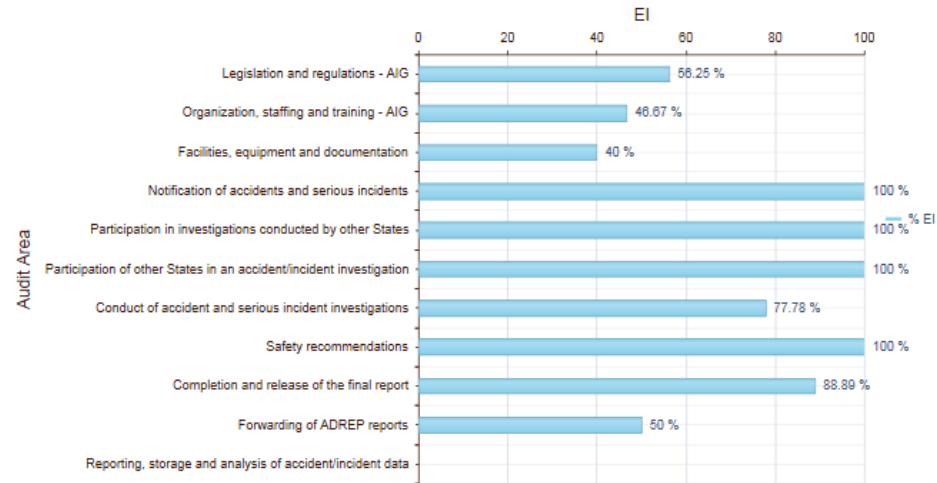
USOAP AIG Status : OECS States

AIG is one of the areas less effectively implemented

Number of Protocol Questions (PQs) in AIG by Audit sub-group



Effective Implementation (EI) by Audit Area

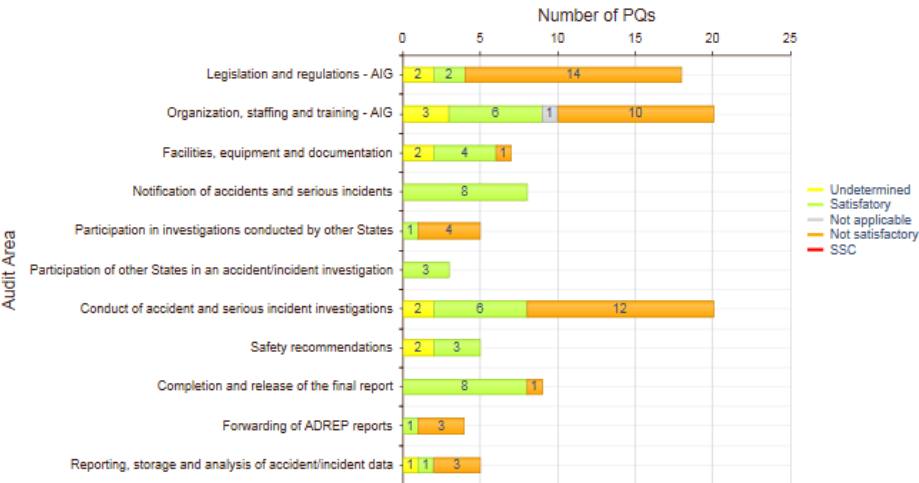




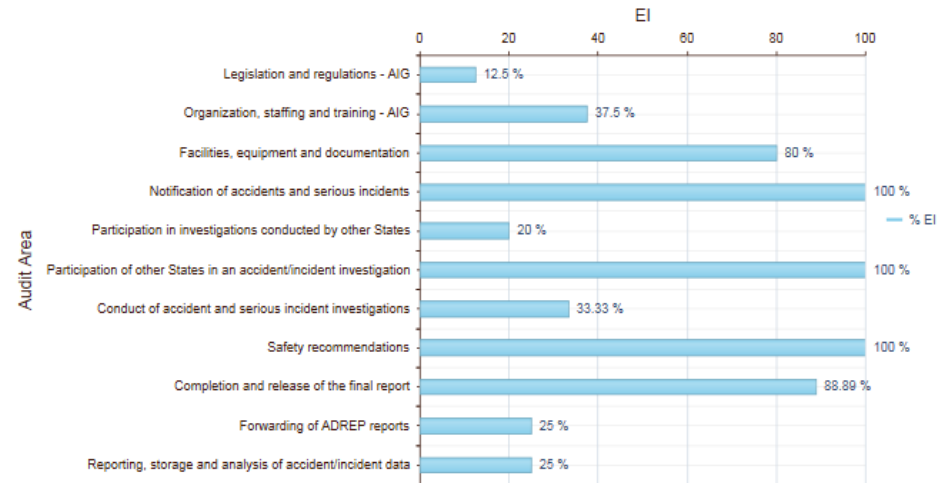
USOAP AIG Status : Barbados

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Effective Implementation (EI) by Audit Area

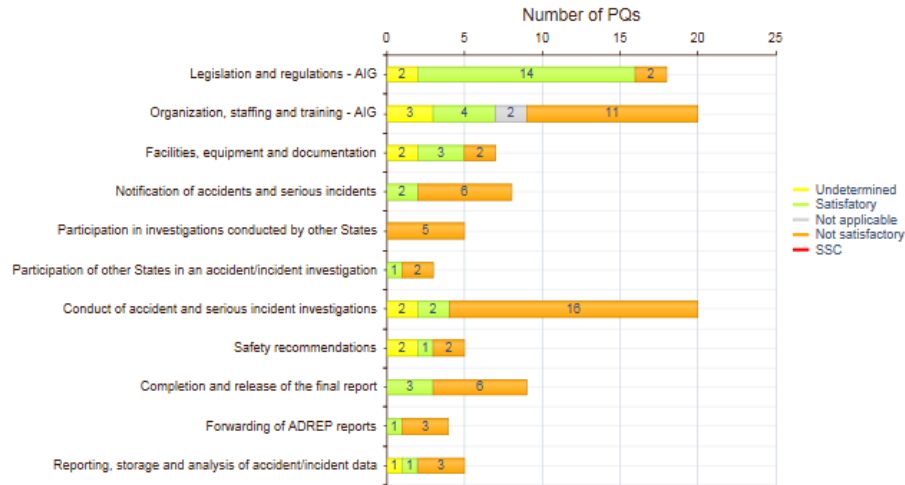




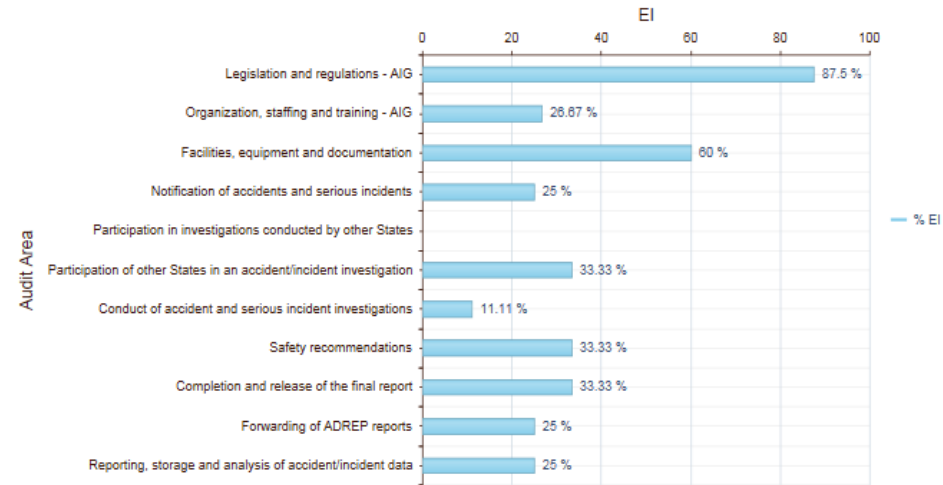
USOAP AIG Status : Trinidad and Tobago

AIG is the area less effectively implemented

Number of Protocol Questions (PQs) in AIG by Audit sub-group



Effective Implementation (EI) by Audit Area





Common AIG Status in the Region

Limitations / deficiencies

- ✈ Lack of independence of AIG Authority
- ✈ Lack of investigators
- ✈ Deficient training of investigators
- ✈ Proper and timely execution of investigations
- ✈ Lack of reporting ADREP
- ✈ Deficiencies in Accident Report – Quality and timelines



RAIOs Development and Implementation

- ❑ ICAO Doc 9946 - Manual on the Regional Organization for Accidents and Incidents Investigation (RAIO)
- ❑ Guidance to States on how to establish and manage an accident and incident investigation system.
- ❑ RAIO-C and GRIAA / States: implement an accident investigation Authority duly funded and professionally trained.
- ❑ USOAP: for target areas to meet SARPs in AIG

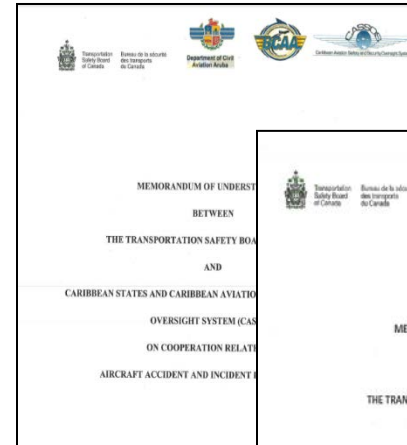


RAIO Benefits

- ✈ Provide economies of scale by sharing the necessary financial and human resources for AIG
- ✈ Promote regional training, cooperation and exchange of Safety information among RAIO member states for AIG activities
- ✈ Improvement of the quality and quantity of the investigation of accidents and incidents
- ✈ Improvement of occurrence reports Reduce the risk of death in the CAR Region
- ✈ Create capacity in AIG per State -> Improving the results of USOAP-CMA



AIG improvement Memoranda of Understanding Canada to cooperate with Central American and Caribbean States on Accident and Incident investigations (AIG) matters



See MoU



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ICAO current Activities for the development of RAIOs

- ✈ Safety Fund for Phase 1 of the RAIO-C
- ✈ Work plan RAIO-C
- ✈ Seek support in Training in ECCAIRS
- ✈ Regional Collaboration - Memoranda of Understanding
- ✈ Hiring an AIG consultant for 6 months
- ✈ Coordination with Mexico (FAM), Canada and NTSB for support in AIG



Working on Performance Gaps

AIG Area

- Working with Central America for GRIAA deployment
- Coordination with TSB and NTSB and ARCM for AIG assistance common activities
- ECCAIRS and AIG training courses ongoing with States/ Training Centers
- AIG expert hired by ICAO: Marc St.Laurent
- New AIG planning/ GRIAA and RAIO C Planning



Working on Performance Gaps

RAIO-C/ GRIAA: AIG development and implementation –started in

2017

- has been initiated, but was not completed as projected
- Missing agreements and implementation plans

2018 and onwards - AIG activities

- RAIOC/ GRIAA work programme s- harmonized activities and common tasks
- Support on LEG matters by ICAO: Regulatory framework harmonization Project
- AIG consultant hired
- AIG expert being provided by Mexican Air Force

Required ACTIONS:

- COCESNA/ CASSOS to discuss GRIAA and RAIO-C planning and common tasks and goals
- CASSOS Members to sign RAIO-C agreement
- Seek more support from industry/ stakeholders and other States



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Questions?

THANK YOU!